Untitled Lab 1

2023-10-26

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

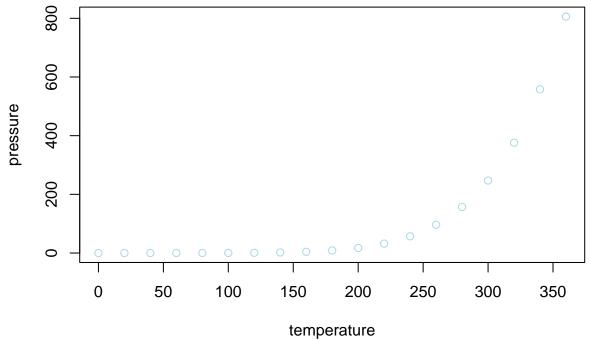
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

```
##
        speed
                          dist
                               2.00
##
    Min.
           : 4.0
                    Min.
                            :
##
    1st Qu.:12.0
                    1st Qu.: 26.00
    Median:15.0
                    Median: 36.00
##
            :15.4
                            : 42.98
##
    Mean
                    Mean
##
    3rd Qu.:19.0
                    3rd Qu.: 56.00
    Max.
            :25.0
                    Max.
                            :120.00
```

Including Plots

You can also embed plots, for example:



setwd("/Users/suprya/Desktop/absenteeism+at+work/") getwd()
df = read.csv("Absenteeism_at_work.csv", sep=";", header = TRUE) #head(df)

Scatter Plot

plot(dfWeight, dfHeight, xlab = "Weight", ylab = "Height", main = "Scatter Plot Height And Weight",col = "light blue")

Histogram

 $\label{eq:hist} hist(df\$Absenteeism.time.in.hours,\ main = "Histogram\ of\ Hours\ for\ the\ Absences",\ xlab = "Hours", col = "light\ blue")$

Histogram

hist(df\$Age, main = "Histo of Age of a Person of Each Absence", xlab = "Age")

Create a data frame with total hours by month

months <- unique (dfMonth.of.absence) $total_hours < -sapply(months, function(m)sum(dfAbsenteeism.time.in.hours[df$Mosemes months])$

Bar Plot

barplot(total_hours, names.arg = months, xlab = "Month", ylab = "Hours", main = "Bar Plot Month",col = "lightblue")

Box Plots

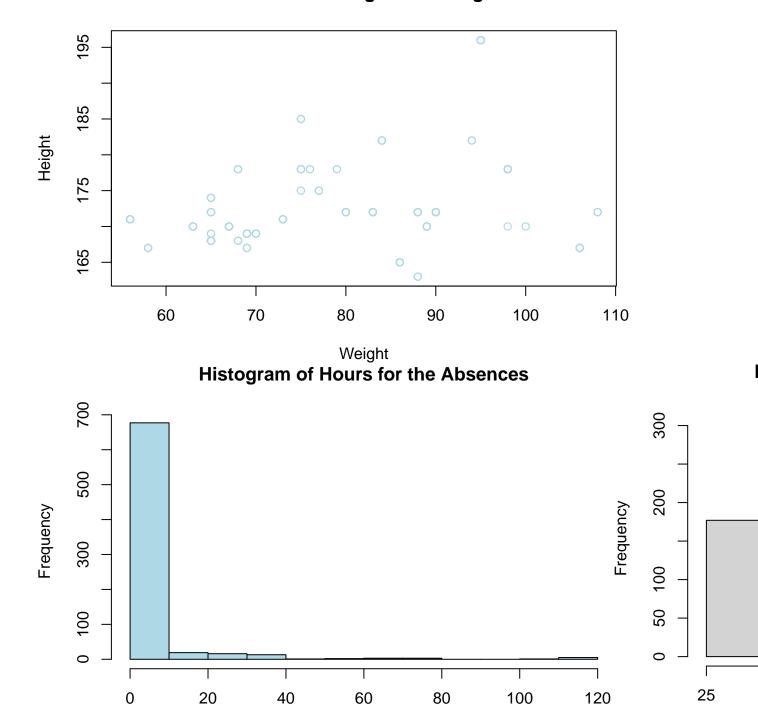
boxplot(Absenteeism.time.in.hours ~ Social.smoker, data = df, main = "Box Plots of Hors by S Smoker Var", xlab = "Smoker", ylab = "Absenteeism Hours", col = c("purple", "lightblue"))

Box Plots

boxplot(Absenteeism.time.in.hours ~ Social.drinker, data = df, main = "Box Plot by Social Drinker Variable", xlab = "Social Drinker", ylab = "Hours", col = c("lightblue", "orange"))

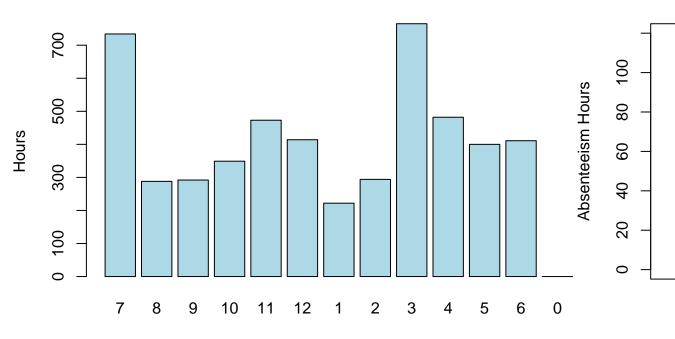
[1] "/Users/suprya/Desktop/absenteeism+at+work"

Scatter Plot Height And Weight



Hours

Bar Plot Month



Month

Box Plot by Social Drinker Variable

